



960296.97214 - Sequence Listing.txt
SEQUENCE LISTING

<110> Amasino, Richard M.
Schomburg, Fritz M.
Michaels, Scott D.
Patton, David

<120> FLORAL INDUCTION GENE

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<141> 2001-08-02

<150> US 60/222,550

<151> 2000-08-03

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 Leu His Asn Ala Met Ile Leu Phe Gly Glu Ile Glu Arg Val Lys Ser
 225 230 235 240
 Tyr Pro Ser Arg Asn Phe Ala Leu Val Glu Phe Arg Ser Ala Glu Glu
 245 250 255
 Ala Arg Gln Cys Lys Glu Gly Leu Gln Gly Arg Leu Phe Asn Asn Pro
 260 265 270
 Arg Ile Lys Ile Met Tyr Ser Asn Asp Glu Leu Pro Pro Glu Gln Asp
 275 280 285
 Asp Thr Ser Phe Tyr Ser Gly Met Lys Arg Ser Arg Thr Asp Met Phe
 290 295 300
 Asn Asn Asp Pro Ser Cys Val Ser Ser Pro His Ser Thr Gly Ile Pro
 305 310 315 320
 Gly Ser Met Arg Pro Leu Arg Gly Thr Asn Glu Arg Ser Tyr Asn Gly
 325 330 335

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Ala Glu Tyr Asn Asp Val Val Gly Lys Glu Pro Asn Trp Arg Arg Pro
340 345 350

Ser Ala Asn Gly Thr Gly Ile Leu Pro Ser Pro Thr Gly Pro Gly Ile
355 360 365

Leu Pro Ser Pro Ala Gln Gly Thr Arg Arg Pro Met Arg Ser Asn Pro
370 375 380

Asp Ser Trp Glu Gly Tyr Asp Pro Ala Gln Leu Val Arg Glu Ser Lys
385 390 395 400

Arg Thr Arg Arg Asp Gly Ser Val Asp Gly Phe Thr Pro Met Gly Val
405 410 415

Asp Glu Arg Ser Phe Gly Arg Gly Ser Val Ala Ala Arg Pro Ile Arg
420 425 430

Gly Pro Pro Asp Ser Asp His Ile Trp Arg Gly Met Ile Ala Lys Gly
435 440 445

Gly Thr Pro Val Cys Cys Ala Arg Cys Val Pro Met Gly Lys Gly Ile
450 455 460

Glu Thr Lys Leu Pro Glu Val Val Asn Cys Ser Ala Arg Thr Asp Leu
465 470 475 480

Asn Met Leu Ala Lys His Tyr Ala Val Ala Ile Gly Cys Glu Ile Val
485 490 495

Phe Phe Val Pro Asp Arg Glu Glu Asp Phe Ala Ser Tyr Thr Glu Phe
500 505 510

Leu Arg Tyr Leu Ser Ser Lys Asp Arg Ala Gly Val Ala Lys Leu Asp
515 520 525

Asp Gly Thr Thr Leu Phe Leu Val Pro Pro Ser Asp Phe Leu Thr Asp
530 535 540

Val Leu Gln Val Thr Arg Gln Glu Arg Leu Tyr Gly Val Val Leu Lys
545 550 555 560

Leu Pro Pro Pro Ala Val Pro Val Thr Ala Ser Tyr Arg Gln Glu Ser
565 570 575

Gln Ser Asn Pro Leu His Tyr Met Asp Gln Ala Arg Asp Ser Pro Ala
580 585 590

Asn Ala Ser His Ser Leu Tyr Pro Pro Arg Glu Asn Tyr Ile Arg Gly
595 600 605

Ala Pro Glu His Leu Thr Ala Ala Ser Lys Pro Ser Val Ser Glu Pro
610 615 620

Leu Arg Ile Pro Asn Asn Ala Ala Pro Gln Ala Gly Val Ser Leu Thr
625 630 635 640

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Pro Glu Leu Leu Ala Thr Leu Ala Ser Ile Leu Pro Ala Thr Ser Gln
645 650 655

Pro Ala Ala Pro Glu Ser His Gln Pro Met Ser Gly Pro Ser Thr Val
660 665 670

Val Ser Thr Ala His Gln Ser Asn Gly Leu Tyr Asn Gly Glu Ala Pro
675 680 685

Ser Gln Ala Trp Lys Arg Gly Pro Gln Thr Val His Asp Ala Ser Asn
690 695 700

Gln Ser Phe Gln Gln Tyr Gly Asn Gln Tyr Thr Pro Ala Gly Gln Leu
705 710 715 720

Pro Pro Pro Pro Ser Arg Tyr Pro Pro Ala Ser Asn Asn Pro Asn Tyr
725 730 735

Thr Ser Gly Met Val His Gly Asn Met Gln Tyr Gln Ser Gln Ser Val
740 745 750

Asn Met Pro Gln Leu Ser Pro Leu Pro Asn Met Pro His Asn Asn Tyr
755 760 765

Ser Met Tyr Thr Gln Gly Ser Ser Asn His Pro Val Ser Gln Pro Met
770 775 780

Val Gln Gln Tyr Gln Pro Glu Ala Ser Met Pro Asn Gln Asn Tyr Gly
785 790 795 800

Pro Ile Pro Ser Tyr Gln Gln Ala Asn Phe His Gly Val Thr Thr Asn
805 810 815

Gln Ala Gln Asn Leu Asn Pro Ser Gln Phe Gln Ala Ala Met Gln Pro
820 825 830

Pro Ala Asp Lys Ala Asn Leu Glu Pro Gln Asn Gln Ala Leu Arg Leu
835 840 845

Gln Pro Met Ile Ser Gly Asp Gly Gln Gly Thr Thr Asp Gly Glu Val
850 855 860

Asp Lys Asn Gln Arg Tyr Gln Ser Thr Leu Gln Phe Ala Ala Asn Leu
865 870 875 880

Leu Leu Gln Ile Gln Gln Lys Gln Gln Gln Gln Ser Ser Gly Thr Pro
885 890 895

Ala Gly Gln Gly Pro
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<213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <223> FPA antisense frgment

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 gaccaaata cctctcatcg acaccattg gagtaaaacc gtccactgat ccatctcttc 180
 tgggttcgtt actttctctg accaactgag caggatcata tccttcccaa gaatcggggg 240
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 gagatgggag tattccagtt ccatttgag atggcctcct ccagtttggc tccttaccaa 360
 caacgtcatt gtattctgca ccattatatg aacgctcatt tgtacctctg aggggcctca 420
 tagaccagg aattccagta gaatgaggag aagatacaaa tgaaggatca ttattgaaca 480
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 ggacatctcc tttaaagtct t 801

<210> 5
 <211> 349
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <223> Portion of FPA coding region

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 agacatgtgg aggaagcagt cgcagccaaa gaggtctctc aaggagcaaa tttgaatgga 240
 agtcaaatta agatcgaata cgcacgaccg gtttgttctt atctatatct tcgtttgttc 300
 tctaactttg attgtctttt gtcaacgatt atactctttt tgcgaattc 349

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 <211> 3715
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <223> FPA promoter plus intron

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 aggttagaac catctcgcta ttaacaatta taatgccttt ttgaagtgtt cttggctaag 120
 tattcagttg tattgcttga agtccgcac tcacttagct atggatatga tgatgcatgt 180

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 <213> Artificial

<220>
 <223> Synthetic oligonucleotide

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 <213> Artificial

<220>
 <223> Synthetic oligonucleotide

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<210> 9
 <211> 25
 <212> DNA
 <213> Artificial

<220>
 <223> Synthetic oligonucleotide

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